

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Zuhua ZHU, et al.

Serial No. : 09/927,802

Date Filed : August 10, 2001

For : OPTICAL COMMUNICATIONS SYSTEM AND  
VERTICAL CAVITY SURFACE EMITTING LASER THEREFOR

Group Art Unit: 2881

Examiner:

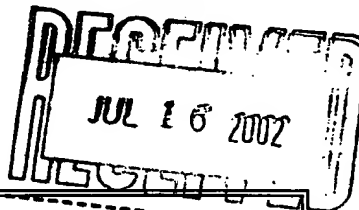
1185 Avenue of the Americas  
New York, N.Y. 10036Assistant Commissioner for Patents  
Washington, D.C. 20231**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

The information listed in the attached form PTO-1449 is brought to the attention of the Examiner. Copies of the information identified herein are also provided.

It is respectfully requested that the information cited in annexed Form PTO-1449 be considered by the Examiner in connection with the above-identified patent application, and that such art be made of record in said application.

The citation of the listed items is not a representation that they constitute a complete or exhaustive listing of the relevant art or that these items are prior art. The items listed are submitted in good faith, but are not intended to substitute for the Examiner's search. It is hoped, however, that in addition to apprising the Examiner of the particular items, they will assist in identifying fields of search and in making as full and complete a search as possible.

I hereby certify that this paper is being deposited this date with the U.S. Postal Service as first class mail addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.	
<i>Ivan S. Kavrukov</i>	<i>Jan 2, 2002</i>
Ivan S. Kavrukov Reg. No. 25,161	Date



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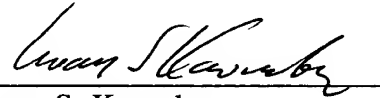
The filing of this Information Disclosure Statement is not an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

To the best of Applicant(s) knowledge, this Information Disclosure Statement is being filed before the date of mailing of a first Office Action on the merits in connection with this case.

The Office is hereby authorized to charge any fees that may be required for consideration of this Information Disclosure Statement and to credit any overpayment to our Deposit Account No. 03-3125.

Early and favorable consideration of the case is respectfully requested.

Respectfully submitted,



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Form PTO-1449

U.S. Department of Commerce  
Patent and Trademark Office

Atty. Docket No.

0980/65686

Serial No.

09/927,802

**INFORMATION DISCLOSURE CITATION  
BY APPLICANT**  
(Use several sheets if necessary)

Applicant

Zuhua Zhu, et al.

Filing Date

August 10, 2001

Group

2881

**U.S. PATENT DOCUMENTS**

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						

**FOREIGN PATENT DOCUMENTS**

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	AJ							
	AK							

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	AL	Hahn et al., "VCSEL-Based Fiber-Optic Data Communications," from <i>Vertical Cavity Surface Emitting Lasers: Design Fabrication, Characterization, and Applications</i> .
	AM	Kasahara, "Optical Interconnection Applications and Required Characteristics," from <i>Vertical Cavity Surface Emitting Lasers: Design Fabrication, Characterization, and Applications</i> .
	AN	Coldren et al., "Introduction to VCSELs," from <i>Vertical Cavity Surface Emitting Lasers: Design Fabrication, Characterization, and Applications</i> .
	AO	Babic et al., "Long-Wavelength Vertical-Cavity Lasers," from <i>Vertical Cavity Surface Emitting Lasers: Design Fabrication, Characterization, and Applications</i> .
	AP	
	AQ	
	AR	

EXAMINER

DATE CONSIDERED

**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.